

Implementation of BPL must be done only within limits that will not cause any harmful interference to existing licensed services, such as the Amateur Radio Service. Harmful interference will be present if there is any degradation to my present ability to receive signals from other Amateur Radio stations using any currently authorized Amateur Radio frequency. This must apply to operations at my home station, my mobile station, Emergency Operations Centers for EMA and others, as well as temporary sites that might exist in emergency or disaster relief situations. Amateur Radio signals are often weak and susceptible to disruption and interference from a variety of sources. It is sometimes possible to avoid the effects of these sources, but widespread deployment of BPL will likely mean that many Amateur Radio frequency bands in the medium, high, and very high spectrum are rendered useless or at least significantly impaired for meaningful communications. This will substantially inhibit my ability to conduct many of the activities that are permitted and encouraged by the FCC's own regulations governing the Amateur Radio Service. These activities include public service communications and fostering good will by international personal communications with the Amateurs of other countries. The only way that BPL can be compatible with Amateur Radio, and other weak signal broadcast services, is to require that BPL emissions from power lines be limited to a very low energy level. I don't know what that level is, but I understand that the ARRL is conducting experiments to determine that level. I recommend that their findings be incorporated into BPL standards and regulations. I also understand that current Part 15 allowed levels of emissions cause very significant interference to Amateur Radio operations, with interference noted as much as a mile away from a BPL carrying power line. This is obviously intolerable, and very significant reductions in BPL emission levels must be mandated. I am very doubtful that there is any economically viable emission level that can be mandated that will cause no harmful interference to Amateur Radio Service or other licensed weak signal broadcast or communication services.